



SHEET 1 OF 1

INFORMATION DISCLOSURE  
CITATION IN AN  
APPLICATION

(PTO-1449)

ATTY. DOCKET NO.  
66396-033SERIAL NO.  
10/624,940APPLICANT  
Michael J. ROBB, et al.FILING DATE  
July 23, 2003GROUP  
[case\_group\_art]

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code(s) (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CWF		US 6,118,485	9/12/2000	Hinoue et al.	CLASS / SUBCLASS
		US 6,724,740	3/4/2003	Joskeco	
		US			
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## FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number - Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation
CWF		EP 1 164 544 A1	12/19/2001	HAMAMATSU PHOTONICS KK	CLASS / SUBCLASS	Yes No
						YES

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
CWF		"Legend 500 Series Product Information" 2001, DVT Corporation, Norcross, USA XP-002279805
CWF		"FrameWork Product Information" DVT Corporation, Norcross, USA XP-002279808
CWF		"IMVS Image Compression Package, Summary, Version 1.9" December 2001, Fastcom Technology, Lausanne, CH XP-002279804, Page 7
CWF		"IMVS Image Processing Basic Package, Summary, Version 1.9", December 2001 (2001-12), Fastcom Technology, Lausanne, CH XP002279803, Page 7
CWF		"IMVS 157 Technical Specification" October 2002 (2002-10), Fastcom Technology, Lausanne, CH XP-002279802, whole document

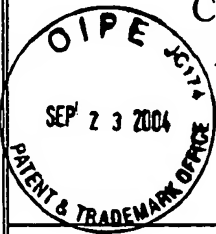
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CLF		US 4,262,220	4/14/1981	Delacruz	
CLF		US 5,018,853	5/28/1991	Hechel et al.	
CLF		US 5,948,901	9/7/1999	Nichani et al.	
CLF		US 6,041,148	3/21/2000	Will	
CLF		US 6,269,194	7/31/2001	Nichani	
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CLF		Robotics World, May 2001, "Improvements in Machine Vision Give Robots Affordable, Reliable Eyeight", Michael E. Williams, DVT Corp. (3 pages).
CLF		PerkinElmer Optoelectronics Product Literature, "MVS-4000 - Machine Vision Strobe", June 2001 (2 pages).
CLF		Circuit Diagram - Universal Xenon Flash Transmitter - Opto-isolator Trigger, David Johnson & Associates, June 9, 2000 (1 page).
CLF		Sensors - June 2001 - "Advances in Machine Vision for Robot Control", Phillip J. Heil et al., DVT Corp. (4 pages).
CLF		Cognex 2001 Press Release - "Cognex Corporation Adds Ethern/IP to Networkable In-Sight Vision Sensors", August 13, 2001 (3 pages).

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		US 5,018,853	6/28/1991	Reche et al.	
		US 5,040,001	9/7/1999	Nichani et al.	
		US 6,041,146	3/21/2000	AGI	
		US 6,269,484	7/31/2001	Nichani	
		US			
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		Circuit Diagram - Universal Xenon Flash Transmitter - Opto-Isolator Trigger, David Johnson & Associates, June 9, 2000 (1 page)
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		Cognex 2001 Press Release - Cognex Corporation Adds Ethernet/IP to Networkable In-Sight Vision Sensors*, August 13, 2001 (3 pages).

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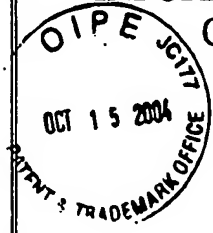
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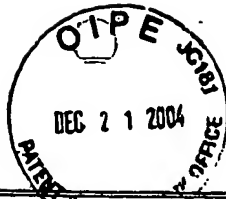
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		US 6,724,743	3/10/2008	Jackson	
CLF		US 2002/0109112 A1	8/15/2002	Guha et al.	
CLF		US 2002/0176805 A1	11/28/2002	Stafudd et al.	
		US 6,252,073 B4	6/28/2001	January et al.	
		US 6,929,778 B4	11/27/2001	Jackson et al.	
CLF		US 2002/0051216 A1	5/2/2002	Hudson et al.	
CLF		US 2002/0050518 A1	5/2/2002	Roustalet	
CLF		US 5,533,139	7/2/1996	Parker et al.	
CLF		US 5,085,252	3/10/1992	Kurth	
		US			

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						Yes	No
		EP 1 184 644 A1	12/18/2001	HAMAMATSU PHOTONICS K.K.		YES	
CLF		WO 85/07000	3/9/1995	KIWISOFT PROGRAMS LIMITED		YES	
CLF		WO 87/42758	11/13/1997	CIMATRIX		YES	

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		"IMVS-1 157 Technical Specifications" October 2002, Fastcom Technology, pp. 1-2 (XP-002279802)
		"iMVS Image Processing Basic Package", Summary, Version 1.9, December 2001, Fastcom Technology, pp. 1-12 (XP-002279803)
CLF		"Imvs Image Compression Package", Summary, Version 1.9, Fastcom, December 2001, pp. 1-8 (XP-002279804)
		"Legend 500 Series Product Information", DVT Corporation, 2001, pp. 1-2 (XP-002279805)
		"FrameWork Product Information", DVT Corporation, November 11, 2002, pp. 1-4 (XP-002279806)
CLF		ZUECH, N., "Are Smart Cameras Smart Enough?", Machine Vision Online, January 2001, pp. 1-4 (XP-002214185)
CLF		LECERF A. ET AL., "Computer Vision Camera with Embedded FPGA Processing", Proceedings of SPIE, Vol. 3968, January 24, 2000, pp. 299-308 (XP-008009788)
CLF		"BC16 CMOS Camera Product Specification", C-Cam Technologies, November 4, 2002, pp. 1-2 (XP-002283125)
CLF		"MachineCam Area Scan Digital Vision System Product Specification", Wintriss Engineering Corporation, 2001, pp. 1-2 (XP-002283128)
CLF		ANDREW WILSON, "Product Focus: Embedded Chips In Advanced Cameras Boost System Operation", Vision Systems Design, December 1999, pp. 1-4 (XP-002283133)

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